

INTERPROCESSOR COMMUNICATION NETWORK PROVIDING DYNAMIC DEDICATION OF PORTS

5 **ABSTRACT OF THE INVENTION**

An IPC protocol/network allows for dynamic dedication of ports in order to reduce system latencies and power consumption. The IPC system allows for either the IPC server or any of the IPC clients to request that a port(s) be dedicated for use in the transfer of data, such as real-time data. The request for a port can occur for example by a client transmitting a control message to the server/another client requesting that a particular port be dedicated for its use. The server and client(s) negotiate the port dedication and once dedicated, the client can use the dedicated port to transfer its data either to the server or to another client. In one embodiment, the server can take away a dedicated port if it determines it needs the port for another data transfer that may be more critical or have a higher priority.